

19981128.ba v02_n322.bam.981128

>From ???@??? Sun Nov 29 02:38:20 1998
Message-Id: <199811290154.TAA01869@sco.theporch.com>
Date: Sat, 28 Nov 1998 19:50:52 CST
Subject: BOATANCHORS digest 2322

BOATANCHORS Digest 2322

Topics covered in this issue include:

- 1) Re: Tektronix terminal strips
by Ed Tanton <n4xy@att.net>
- 2) Re: re early TV
by Bob Roehrig <broehrig@admin.aurora.edu>
- 3) Re: Tektronix terminal strips
by "Arden Allen" <gumbear@pacbell.net>
- 4) Re: re early TV
by "Roberta J. Barmore" <rbarmore@indy.net>
- 5) W.M.C. CDN No. 1
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 6) Wanted, TBX-8; TRC-7 Acc'y & PE-162
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 7) ADMINISTRIVIA: Posting Admin Requests
by listown@jackatak.theporch.com (Mail List Owner)
- 8) Re: Tektronix terminal strips
by "Steve" <scb@mail.internettport.net>
- 9) Re: WTB Ampex R-R Recorder(s)
by "Kenneth J. Lopez" <kjlopez@earthlink.net>
- 10) Re: : French engineering, Superhet origins
by "Steve" <scb@mail.internettport.net>
- 11) Vector Sockets
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 12) Re: WTB Ampex R-R Recorder(s)
by Steve Berg <z931086@corn.cso.niu.edu>
- 13) Re: Tektronix terminal strips
by Bill Hawkins <bill@iaxs.net>
- 14) BC-611 nameplate
by Hans Jense <gjense@casema.net>
- 15) Re: Tektronix terminal strips
by Ed Tanton <n4xy@att.net>
- 16) book on early TV
by Phil Mills <pmills@a.crl.com>
- 17) National FB-7 receiver
by Phil Rand <philw7bw@cvc.net>
- 18) Re: BC-611 nameplate
by polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
- 19) Inductance of Ohmite Z-50 and Z-144 chokes?

by Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
20) top cover needed
by "anthony w. deprato" <tdeprato@som-uky.campuscw.net>

Message-Id: <3.0.5.32.19981127231336.00c575f0@postoffice.worldnet.att.net>
Date: Fri, 27 Nov 1998 23:13:36 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Ed Tanton <n4xy@att.net>
Subject: Re: Tektronix terminal strips
Cc: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sorry about the quote... I felt it text that follows.

>Many thanks for the reply, Hank. Certainly answered the questions about
>soldering. You mentioned the effect of flashover due to built-up crud in
>the HV area. But the original question was about migration of the silver
>between notches. Since you didn't bring it up, I'd guess it was another
>kind of urban legend. The real mechanism is burning a track in the glaze.
>

>Regards,
>Bill Hawkins

I assure you gentlemen that silver migration across Tek ceramic strips is no legend, urban or otherwise. I replaced at least one power transformer during my tenure at Tek due to such a path. And saw many-most only partial-visually present after washing (yes, we washed Tek 'scopes back in the 70s, literally with soap and water. Then cooked 'em in an oven. You did your best not to spray into the power transformer, or cardboard capacitor covers-if present. Still you would lose perhaps 1 in 5 power transformers.) Took a solvent to remove the silver path, which-when complete-would measure a very dead short.

While there IS some evidence to support the crud-based migration theory, I saw too many absolutely CLEAN-LOOKING terminals with the beginnings of paths to buy into the crud thing. After all the beginning paths I saw, there is NO WAY I would use one of these strips over about 30VDC... although they are probably safe for somewhat more than that. And, even though you probably should only have to worry about DC, I wouldn't do it for AC either. I just don't trust them over 30V AC or DC even though physically the arc-over voltage is probably beyond several thousand volts.

Basically, the higher the differential voltage between two adjacent terminals, the more quickly the silver path attempts to form. I BELIEVE you could clean 'em once a year with acetone and never lose whatever supply is involved... but-pretty as they are-there are simply too many excellent

alternatives for me to use these guys in MV/HV service. And there are probably thousands of 545s/etc. out there that have never arced, and may never arc. Can't tell you why... can't tell you why not. But if it does, goodbye transformer, rectifiers, etc.

The HV of the 453/454/(also 475 I think) series (HV section is under a cover) is especially bad about this. All you guys with these scopes NEED to get in there about once a year and swab those ceramic strips clean. And, particularly with those strips, NEVER, NEVER use anything but silver-bearing solder.

The one I saw (that I remember so well because of the 'strength' of the short) had the shape of a tornado on its side (extending from each terminal) with the two meeting at the thin ends. I experimentally put a current limited 1 amp through it and that didn't blow it! My boss would have though, he would not have cared for "experimental" activities around a customer's scope being repaired & cal'd. I didn't figure it'd hurt anything to see only that one thing-and it didn't-fortunately. Says a lot about the thickness of the silver layer.

There was a mention of the hybrid mixed voltage scopes... I was poking around in the back of (probably) a 561 or 564... somehow managed to put +150VDC or so on one of the LV busses... blew about 25 transistors in the plug in and mainframe! Literally... when I say "blew" many of the 2N3904s Tek liked so much had their tops blown right off!!! It was a while before that same boss let me work on the 560 series scopes again!!! Believe me when I say you have to be especially careful around the 560-series 'scopes. But even so, they are a very nice series. I knew the guy who was THE marketing project manager when that series was introduced.

One last comment... that same boss was a VERY straight kind of guy. He always brown-bagged it, and put his lunch in the break room 'fridge, with a paper clip on top. One day I took the 10 or so bags in the fridge and folded them all the same way, and put a paper clip on every one. You should have seen his face!!! It was great! But he took it well, didn't laugh-or even crack a smile, but wasn't really angry about it. Just a very level-headed guy.

And a final-final: we almost never had to swap out ceramic strips... occasionally (maybe 2-3 times in 2 years) one would show up cracked... dunno why-probably customer hit it with his iron, or a temperature-stress fracture due to improper component mounting, I just don't know. Otherwise, there was the occasional strip-mainly in HV sections-that had seen so many non-Tek-soldered VR-tube replacements or PS wires done w/o silver-bearing solder, they utterly wouldn't take solder anymore, and had to go. But not many at all were that bad.

If you want to use silver-ceramic strips in projects, or have scopes with

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Silver Migrants;

> I assure you gentlemen that silver migration across Tek ceramic strips is
> no legend, urban or otherwise. I replaced at least one power
transformer.....

There have been many Tek scopes providing thousands of hours of service without the "silver migration" problem. However, I believe Ed's observations, based on my own experience with circuit boards and *copper migration*. In the early 80's the company I worked for used a circuit board fabricator and assembler that used an aqueous (water based) board cleaning process to clean the water soluble flux from the boards after flow soldering. Aqueous cleaning systems were an attempt to deal with the environmental and health problems of solvent based systems. The early systems undoubtedly had bugs in their chemistry and were more difficult to manage. Two problems became immediately evident on receipt of our first lot of boards from this vendor; (1), surface leakage that was troublesome for high impedance circuits and (2), formation of "copper dendrites", nearly invisible to the naked eye strands of copper that "grew" between adjacent copper traces. Although tiny by comparison to ordinary conductors the copper dendrites were robust enough to carry sufficient current to produce short circuit failures in the boards. We subsequently learned that the surface chemistry was unalterably changed by the aqueous cleaning process and we had to redesign the board to successfully use aqueous cleaning and not be prone to surface leakage problems. High impedance circuits had to be elevated onto teflon standoff terminals or be surrounded by unipotential guard traces. However, the copper dendrite problem had to be resolved by the vendor. With time the boards were less affected by dendrites. Using powerful magnification it was clear that metallic copper was plated in an electrolytic medium producing bunchy looking strings of copper across a board surface connecting adjacent traces. One can theorize that dendrite growth occurred while boards were drying after cleaning or while being stored in an area which allowed moisture condensation to occur.

Thus I come back to Tektronix ceramic terminal strips. It is my hypothesis that for "silver migration" to occur two conditions must be met: (1), the ceramic surface must be contaminated by an electrolytic (ionic) medium and (2), an atmospheric condition must be present to allow moisture condensation. Humid environments and subsequent to manufacture water based 'scope cleaning are conditions that surely plagued a minority of scopes but with possibly telling results. Something to ponder while getting a zealous urge to "clean" terminal strips, etc.

I would like to know of more experiences with these kind of problems

because BA preservation depends on methods that truly *retard* instead of enhance deterioration

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Date: Sat, 28 Nov 1998 09:20:59 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: re early TV
Message-ID: <Pine.SUN.3.96.981128090405.25652A-100000@indy2>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Bob (et al)!

In *color* NTSC TV, the sync's 59.94...; in black and white, it was 60cps. It was moved to make the chroma "fit in the gaps" properly.

As the sets just strip it off and use the pulses, the small difference made no difference at all to black and white sets. ...Except once the change was made, we had to be more careful of hum bars, which crawl sluggishly through the picture at some fraction of a cycle.

...Alas, the 60/59.94 change is coming back to haunt us--high-definition TV can have 60 or 59.94cps sync (I have not seen 50cps but wouldn't be surprised to find it) and gear that'll work with one often cannot work with the other, as the whole signal is so much more complex than NTSC (or PAL or SECAM). The proliferation of possible formats for both transmission and manipulation of HD and DTV signals is a bit like having to handle in one plant all of the *analog* formats now in use, plus a few more! ...That kind of situation is old home week for many of the European broadcasters but takes some getting used to for us 'Murricans.

73

--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Date: Sat, 28 Nov 1998 10:25:47 -0500
From: "ROBERT W. DOWNS" <RWDowsn_WA5CAB@compuserve.com>
Subject: W.M.C. CDN No. 1
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199811281025_MC2-61C7-B65A@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

OD Group,

I just diccovered in a box with some US green stuff
a Wireless Remote Control Unit Canadian No. 1
complete with manual, shoulder strap, headset and
hand microphone. This is, according to the TM, =

the remote for the No. 19 set, among others. Anyone
interested drop me a note. Unit needs some soap & =

water cleanup but overall is in decent shape.

I also have another of the No. 9 hand microphones =

and another headset. Trades welcome. See next
message (from me).

73,
Robert Downs
WA5CAB
Houston, TX

Date: Sat, 28 Nov 1998 10:25:52 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: Wanted, TBX-8; TRC-7 Acc'y & PE-162
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199811281025_MC2-61C7-B65C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Group,

I'm still looking for a Model EAP dynamotor supply and =

20337 vibrator supply for the TBX-8, most of the accessories
for the AN/TRC-7, and a PE-162, PE-162-A or unmodified
PE-162-B. These have the plugs for the SCR-284 (BC-654) =

and AN/TRC-1as well as the one for the AN/GRC-9 and
SCR-694. =

I'd also like to find a PE-210 (gasoline engined battery charger)
and the PE-49 gasoline generator for the SCR-177/188.

73,
Robert Downs
WA5CAB
Houston, TX =

Message-Id: <199811281715.LAA01284@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Posting Admin Requests
Date: Sat, 28 Nov 98 11:15:01 CST

Gang-

Please accept this periodic posting as it is intended:
A suggestion that will help everyone on the list...

If there is a problem with your email, i.e., the list suddenly stops coming
to you, or if you have problems with someone else's mail, PLEASE address
any questions to, and seek help from:

listown@jackatak.theporch.com

There is really no one on the list who can help you with a problem,
and if I don't happen to see your post, nothing will happen, except
you may irritate the other list members... needlessly.

This is *especially* true of the "XXXX YYYY your mail is bouncing, please
send me a good address"

If your mail to this person is bouncing, in all likelihood, either you
have the address a bit wrong, or s/he isn't receiving mail from ANYWHERE
especially not from the list, which is delivered as "Bulk!"

Treat the list as a symposium.

In such an environment, with many folks attending who have paid to be
here, it is unlikely you would take up the symposium's resources to
solve an individual problem with your seating...

So, if you encounter a problem, PLEASE remember to send your questions
to me, the one person who can help, at:

listown@jackatak.theporch.com

Thanks for your attention

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Sat Nov 28 11:15:01 CST 1998

Message-Id: <199811281818.MAA05040@loki.internettport.net>
From: "Steve" <scb@mail.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 28 Nov 1998 12:06:34 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Tektronix terminal strips
CC: Old Tube Radios <boatanchors@theporch.com>

> But the original question was about migration of the silver
between notches.

Bill & group;

I have wondered if this "metal migration" isn't the mechanism of failure in
certain
older ceramic capacitors?

Regards; Steve

Message-ID: <36603CE3.13E57F3B@earthlink.net>
Date: Sat, 28 Nov 1998 10:11:53 -0800
From: "Kenneth J. Lopez" <kjlopez@earthlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: WTB Ampex R-R Recorder(s)
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-
creator="4D4F5353"
Content-Transfer-Encoding: 7bit

"A.B. Bonds" wrote:

>

> Be aware that head condition is everything. You can sometimes get heads
> relapped if there is any metal left, but an Ampex is not worth buying if the
> heads are shot. If they are working right, you can slam a clean signal onto
> tape at a level that is several dB higher than virtually anything else made.
>

During the heyday of these machines, we used to regularly set up for and use elevated levels of as much as +5 to +8 dB on Ampex 456 tape. Most common was +6. It sounded good and gave good S/N ratio.

A good source for parts and machines is Coast Recording Equipment in Hollywood Ca. They have an enormous stock of vintage equipment, mostly because the owner, Jerry Cubbage, can't bear to throw any of it out. They deal in today's newest gear, but have been around for decades, and have knowledge of the old stuff, and ample stock of the old gear. Be prepared, though. Certain models of vintage equipment are in high demand by the professional recording industry. Others are totally neglected.

Also, it is of note that there is an absolute explosion of small companies making V/T based signal processing for professional use. Many of the limiters are based on the old UREI LA-2A opto isolator circuit and sound very good. There are many small and large companies offering tube condenser mics, and even complete mixing consoles. Tubes are alive and well in the recording world. Some of these V/T devices are going out on major music tours as part of the sound reinforcement gear, as well.

Regards,
Ken, N6TZV

Message-Id: <199811281833.MAA05211@loki.internettport.net>
From: "Steve" <scb@mail.internettport.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Sat, 28 Nov 1998 12:21:51 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: : French engineering, Superhet origins
CC: boatanchors@theporch.com

Meir & the group;

See "THE AWA REVIEW" Volume 6, Pg 97. Read the bibliography and author Robert Champiex's credentials first, before prejudice ensues.

When I started my quest on "R.E Lacault & the Superhet", I had no idea where it would go. Many thanx to listmember Will J. for this lead.

Regards; Steve

Date: Sat, 28 Nov 1998 14:21:47 -0500
From: "ROBERT W. DOWNS" <RWDDowns_WA5CAB@compuserve.com>
Subject: Vector Sockets
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199811281422_MC2-61D1-C4C6@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Group,

While digging through one of my junk boxes I came across three or so Vector
9-pin miniature turrent tube sockets. I think that they were probably in
this same box when I moved to Houston in 1973. I'd say indications are I=
'm
not going to use them. Anyone need one or all? Free for postage. Seems=
as though I had some 7's as well but I didn't spend any time looking.

Robert Downs
WA5CAB
Houston, TX

Message-Id: <36604F44.963FE34B@corn.cso.niu.edu>
Date: Sat, 28 Nov 1998 13:30:13 -0600
From: Steve Berg <z931086@corn.cso.niu.edu>
Mime-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: WTB Ampex R-R Recorder(s)
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When I went off to Nebraska Wesleyan University in late 1966, I wound up as one of
the engineers and also the news director for our fledgling KWLN carrier current AM
radio station. Ben Roe, K0YDS was chief engineer. We built a state of the art
transmitter with our rather limited funds. It used a 6CL6 crystal oscillator, a
6CL6 buffer, and an 807 final. We had the first s*lid state control board, but
all
of our crucial audio circuitry, including the modulator was all "borrowed" from
Ampex schematics. Somewhere, we got a great modulation transformer. The result

was

the best sounding AM signal around. We broadcast everything from rock to opera, and it sounded great! The father of one of our engineers was an Ampex distributor, and when we ran the folk song festival that year, we borrowed one of their units with some condenser mikes. The quality was incredible. Somewhere I still have a reel of that performance. Alas, I have no way of playing it back these days. Ampex had some great circuitry, and made some excellent equipment.

Steve WA9JML

Date: Sat, 28 Nov 1998 13:48:49 -0600 (CST)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199811281948.NAA23287@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Tektronix terminal strips

Metal migration - growth of metal dendrites - has been discussed in the past as the source of electrical noise in silver mica capacitors. The sharp points have a corona discharge as the electric field volts/meter increases as the distance decreases with growth. Not sure whether they'd fail shorted or burn off as the current increased.

Regards,
Bill Hawkins

Message-Id: <199811282016.VAA15259@smtp1.casema.net>
Subject: BC-611 nameplate
Date: Sat, 28 Nov 98 21:18:33 +0100
From: Hans Jense <gjense@casema.net>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

BAlisters,

At the Surplus Radio Society's Fallk Meetin here in the Netherlands today I bought a cosmetically challenged but mechanically (and hopefully also electrically) intact BC-611. One of the things I noticed immediately is that the nameplate needs replacing. It is a silkscreened affair half of which was scraped completely bare. My plan is to photo-etch a new one and I therefore removed it from the set to measure it and reconstruct the text. I then noticed that on the reverse is another text! I've copied both below:

The frontside (silk screened) reads:

SIGNAL CORPS U.S. ARMY
RADIO RECEIVER AND
TRANSMITTER BC-611-F
L.S.D. SERIAL NO. 6774

The reverse side (in relief lettering) reads:

SIGNAL CORPS U.S. ARMY
RADIO RECEIVER AND
TRANSMITTER BC-611-C
80329 ORDER NO. 20412-PHILA-44-01
MADE BY
ELECTRICAL RESEARCH LABORATORIES INC.
EVANSTON ILLINOIS

Can anyone explain the reason behind this? Was a nameplate for a -C unit simply re-used for an -F one? I haven't yet had a chance to look up the differences between the -C en -F versions in my TM, so I can't say if what I have is an -F or a -C.

As an aside: I paid fl. 65.00 (around \$30 - \$35) for it, which included a battery adapter for two short 1.5V batteries instead of one long battery.

Thanks,

-- Hans Jense

Message-Id: <3.0.5.32.19981128155446.00cb4a60@postoffice.worldnet.att.net>
Date: Sat, 28 Nov 1998 15:54:46 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Ed Tanton <n4xy@att.net>
Subject: Re: Tektronix terminal strips
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Nope... the most common places it occurred was between/at rectifiers... no ceramic caps present-and in the HV of certain 453/etc. series scopes... granted possibly ceramic there-but I doubt it was the cause. The mechanism of silver migration is well known... what stimulates it (besides simply a high voltage differential) is somewhat debatable. Mostly because it does occur-but not predictably... rather, there are many otherwise identical scopes where it didn't happen despite years of neglect/etc. Many of them filthy enough to make me doubt the simple contamination theory. I LIKED the idea that ionized moisture would get it started-and for me-that sounds good

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Want to buy a set of ten meter coils for my receiver. Anyone out there that can help me out??

Thanks in advance and 73.....Phil W7BW Oregon philw7bw@cvc.net

Date: Sat, 28 Nov 1998 17:52:16 -0500
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199811282252.RAA03415@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: Re: BC-611 nameplate

Hans you got a good deal - & although the D-cell adapters would work with any bc611, I think the 'Fs' shuipped with one.

The 611F has a dished bottom plate with headphone connections. The 611C doesn't.

Yours may have started life as a C, got refurbished, then came to you as an F. Kinda Christine Jorgenson episode.

Best,

Marty

Message-Id: <v03102804b286346609d8@[134.53.65.12]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sat, 28 Nov 1998 19:17:00 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Inductance of Ohmite Z-50 and Z-144 chokes?

Hi Gang,

The Ohmite Z-50 and Z-144 RF chokes have been used for half a century in homebrew projects. Anybody know what their inductance is? Thanks,

Jim W8ZR

Message-Id: <3.0.5.32.19981128204954.00849ab0@mail.som-uky.campuscw.net>
Date: Sat, 28 Nov 1998 20:49:54 -0500
To: Old Tube Radios <boatanchors@theporch.com>

From: "anthony w. deprato" <tdeprato@som-uky.campuscw.net>
Subject: top cover needed
Cc: boatanchors@theporch.com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am in need of the top cover for an sr 42 or sr-46 i have both units restored and that is the only thing missing.. even found a vfo for them ... well i could use another mike as i only have one. will buy a parts unit to get the case.

see everyone on the Hallicrafters net sunday.. btw is the 40 meter net up and running ?

73 tony wa4jqs

SSIDXG

HCA

Trying to relive the days of AM when hams were hams and did not carry their shacks on their belts.

73 tony

WA4JQS / VP8BZL

Founder : SOUTH SANDWICH ISLAND ANTARCITC DXPEDITION GROUP

CQ DX HALL OF FAME

End of BOATANCHORS Digest 2322
